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Mazdoor Kisan Shakti Sangathan

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“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 11777-3 (1986): Circular Connectors for Radio and Associated Sound Equipment for Frequencies Below 3MHz Including DC, Part 3: Fixed Three-socket Connector for Sound Equipment Type 11777 IS-02 [LITD 3: Electromechanical Components and Mechanical Structures for Electronic Equipment]

“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartṛhari—Nītiśatakam

“Knowledge is such a treasure which cannot be stolen”



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Indian Standard

**SPECIFICATION FOR CIRCULAR CONNECTORS FOR
RADIO AND ASSOCIATED SOUND EQUIPMENT FOR
FREQUENCIES BELOW 3MHz INCLUDING DC**

**PART 3 FIXED THREE-SOCKET CONNECTOR FOR SOUND
EQUIPMENT TYPE 11777 IS-02**

0. General — This standard shall be read in conjunction with IS : 11777 (Part 1)-1986 'Specification for circular connectors for radio and associated sound equipment for frequencies below 3 MHz including dc : Part 1 Test schedule and requirements'.

1. Type Designation — See 4 of IS : 11777 (Part 1)-1986.

2. Outline and Dimensions — The outline and dimensions shall be according to Fig. 1 and Table 1.

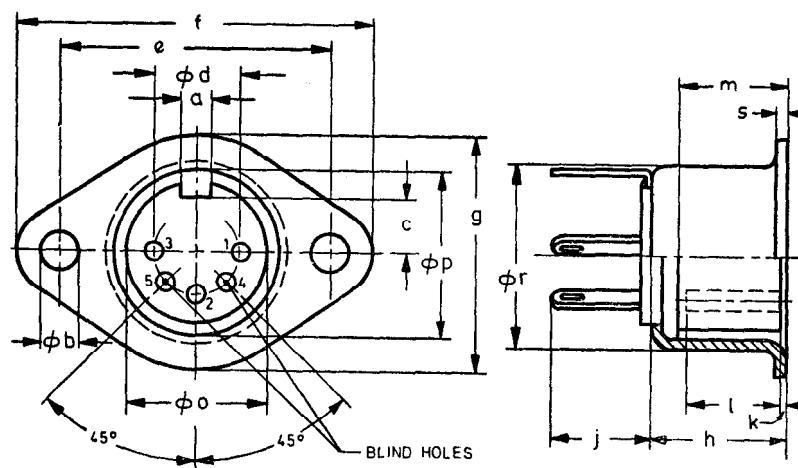


FIG. 1 OUTLINE AND DIMENSIONS

TABLE 1 DIMENSIONS
(Clause 2)

Reference	Max mm	Min mm
a	2.7	2.5
φb	3.3	3.2
c	4.5	—
φd	7.05	6.95
e	22.3	22.1
f	29	—
g	19	—
h	12.6	11.9
j	8	—
k	1	—
l	—	8.7
m	—	9
φo	11.8	11.6
φp	14.0	13.8
φr	16.2	—
s (metal)	1.3	1.0
s (plastic)	3.4	3.0

3. Gauges

3.1 Gauge for Checking Dimensions — The gauge for checking dimensions shall be according to Fig. 2 and Table 2.

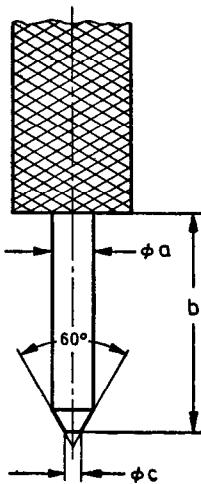


FIG. 1 GAUGE

TABLE 2 DIMENSIONS FOR THE GAUGE FOR CHECKING DIMENSIONS
(Clause 3.1)

Reference	Max mm	Min mm
φa	1.500	1.495
b	8.60	8.40
φc	0.6 Nom	

3.2 Gauge for Measuring Contact Resistance — The gauge for measuring contact resistance shall be according to Fig. 2 and Table 3.

Material beryllium copper, rhodium plated.

3.3 Gauge for Measuring Retention Force — The gauge for measuring retention force shall be according to Fig 2 and Table 3.

Material — Hardened tool steel, weight — 120 g.

Surface hardness Ra = 0.16 to 0.25 mm.

TABLE 3 DIMENSIONS FOR THE GAUGE FOR MEASURING CONTACT RESISTANCE AND RETENTION FORCE
(Clauses 3.2 and 3.3)

Reference	Max mm	Min mm
φa	1.46	1.45
b	7.8	7.5
φc	0.6 Nom	

4. Climatic Category — See 3 of IS : 11777 (Part 1)-1986.

5. Contact Arrangements and Connections — See 5 of IS : 11777 (Part 1)-1986.

- 6. Electrical Resistance** — The rated voltage shall be 34 V ac or dc and the rated current shall be 2 A ac or dc.
- 7. Materials and Workmanship** — See 7 of IS : 11777 (Part 1)-1986.
- 8. Tests** — See 9 of IS : 11777 (Part 1)-1986.
- 9. Marking** — See 8 of IS : 11777 (Part 1)-1986.

E X P L A N A T O R Y N O T E

This standard is based on IEC Pub 130-9 (1971) 'Connectors for frequencies below 3 MHz : Part 9 Circular connectors for radio and associated equipment'. The type of connector covered in this standard is equivalent to the type 130-9 IEC-02.